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WHAT IS CLAIMED IS:

1. In controlling a reverse data rate by a mobile station of a mobile communication system supporting a H-ARQ system, a reverse data rate control method comprising the steps of:
 - 5 receiving a grant message including reverse data rate control information and application range indication information from a base station; and
 - controlling the reverse data rate according to the reverse data rate control information included in the grant message,
 - wherein if the application range indication information indicates that contents
 - 10 of the grant message are applied to a corresponding ARQ-channel at a moment of receiving the grant message only, an application range of the contents of the grant message is limited to a prescribed range even if receiving a NAK signal from the base station at a time point of receiving the grant message.
- 15 2. The reverse data rate control method of claim 1, wherein the reverse data rate control information is a maximum encoder packet size (EP-SIE).
3. The reverse data rate control method of claim 1, wherein the application range indication information includes ALL_ACID_IND information
- 20 indicating whether the grant message is applied to entire ARQ-channels and PERSISTENC information indicating whether the grant message keeps being applied to

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a specific ARQ-channel.

4. The reverse data rate control method of claim 1, wherein the prescribed range is an ARQ-channel unit group.

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5. The reverse data rate control method of claim 2, wherein the reverse data rate is determined within a range of authorized_TPR corresponding to the maximum encoder packet size (EP-SIE) included in the grant message.

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6. The reverse data rate control method of claim 3, wherein if values of the ALL_ACID_IND and the PERSISTENCE are TRUE and FALSE, respectively, the contents of the grant message are applied within the ARQ-channel unit group.

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7. The reverse data rate control method of claim 3, wherein if each value of the ALL_ACID_IND and the PERSISTENCE is FALSE, respectively, the contents of the grant message are applied to a corresponding ARQ-channel within the ARQ-channel unit group only.

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8. The reverse data rate control method of claim 1, wherein a channel carrying reverse data is a reverse-packet data channel (R-PDCH).

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9. The reverse data rate control method of claim 1, wherein the grant message is received over a forward-grant channel (F-GCH).